

Title (en)

METHOD FOR PRODUCING A HIGH-VOLTAGE ELECTRICAL INSULATOR WITH A MORTAR INCLUDING A SUPERPLASTICIZER AND ELECTRICAL INSULATORS THUS OBTAINED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ELEKTRISCHEN HOCHSPANNUNGSISOLATORS MIT MÖRTEL MIT EINEM SUPERWEICHMACHER SOWIE DADURCH ERHALTENEN ELEKTRISCHEN ISOLATOREN

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ISOLATEUR ÉLECTRIQUE HAUTE TENSION AVEC UN MORTIER INCLUANT UN SUPERPLASTIFIANT ET ISOLATEURS ÉLECTRIQUE AINSI OBTENUS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013050665A1] The invention relates to a method for producing a high-voltage electrical insulator (1) including at least one metal insulator element (4, 6) embedded onto a dielectric insulator element (2) via a sealing mortar (5), including at least the following steps: preparing the mortar (5) from aluminous cement and sand mixed at least with water; assembling the dielectric element (2) and metal element (4,6) together, the mortar (5) being placed between the dielectric element (2) and the metal element (4, 6); and vibrating the dielectric element (2) and metal element (4, 6) assembled together so as to distribute the mortar (5) between the dielectric element and the metal element (2, 4, 6). In order to prepare the mortar (5), an active ingredient, which is a polymeric polyglycolmethacrylic acid ester superplasticizer, is added, and the vibration is carried out for a duration of 2 to 20 seconds, preferably 4 to 15 seconds.

IPC 8 full level

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